

Participatory healthcare innovation

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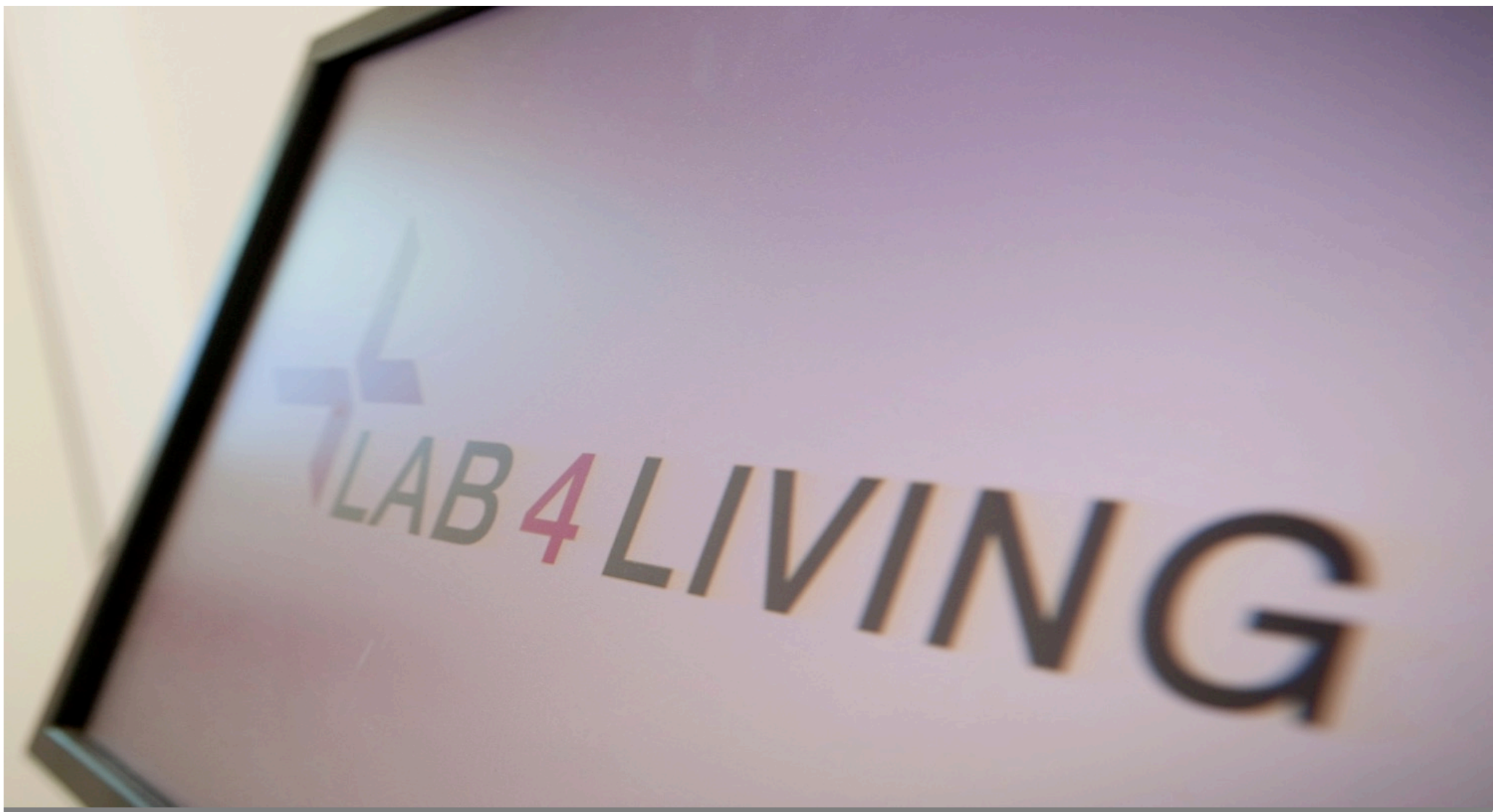
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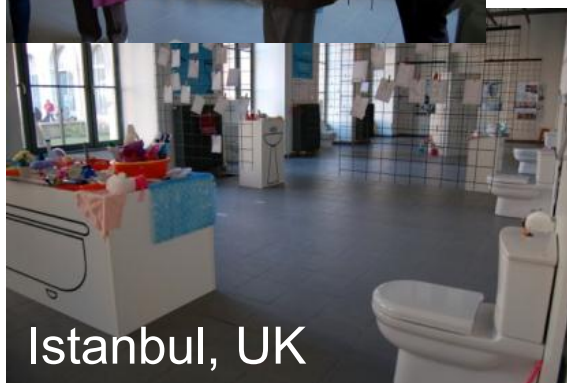


Participatory Healthcare Innovation

Joe Langley & Becca Partridge

**Sheffield
Hallam
University**

future bathroom & loo lab



stigmas



HEARSAY

Hearing loss can lead to social isolation with interventions needed to enhance communication. Hearing loss can lead to depression, anxiety, and frustration.



OUT OF REACH

Engagement with objects and living spaces becomes confined, Changing needs and physical changes mean previously useful and desirable products become redundant.



exhibition in a box



A group of four people (three women and one man) are gathered around a table, looking at a large, hand-drawn diagram or map. The diagram appears to be a flowchart or a process map with various boxes and arrows. The people are engaged in a collaborative discussion, with some pointing at the diagram. The background shows a wall with some papers and a whiteboard.

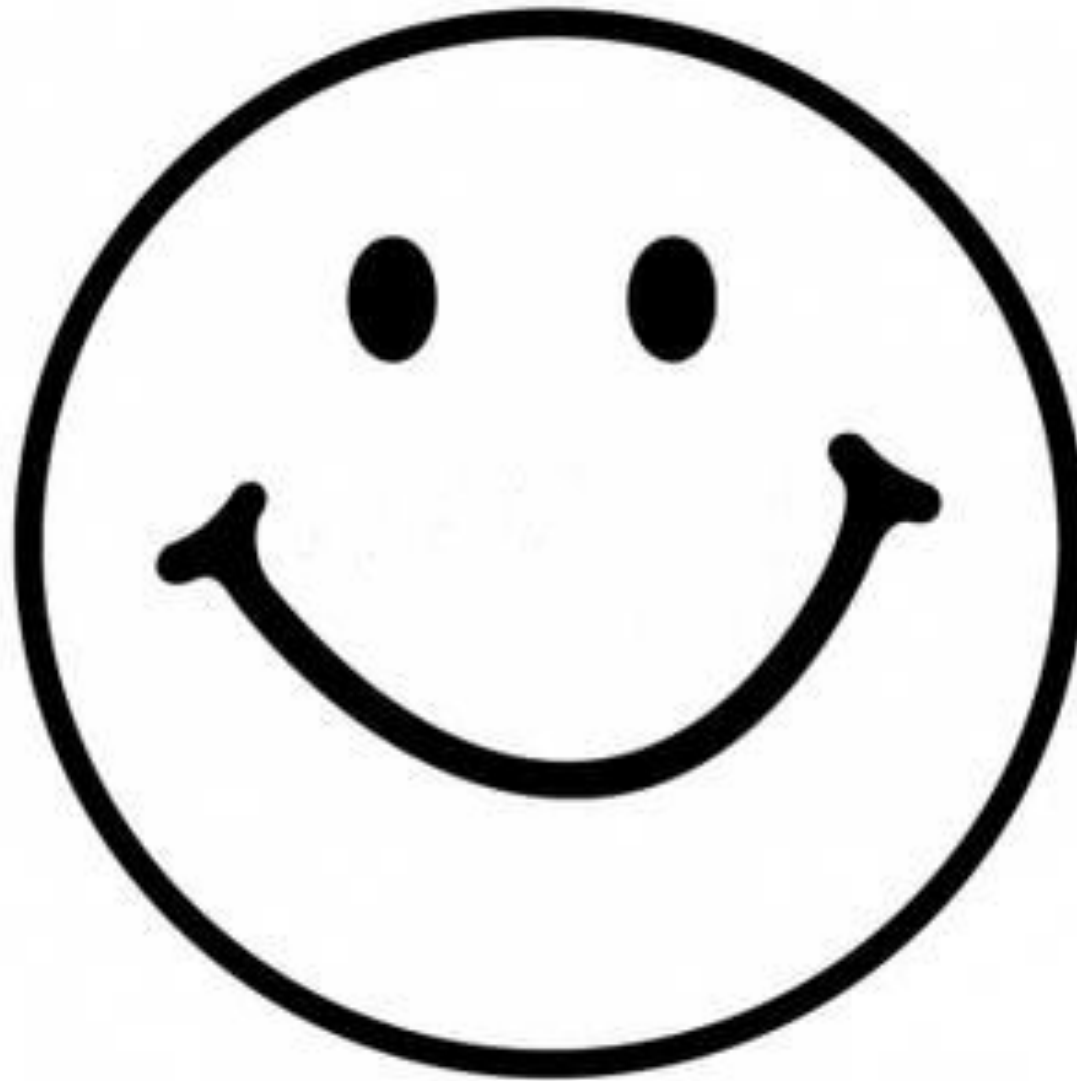
Participation

- Co-creation/Co-production
- Involvement of users = more translatable and transferrable
- Design 'Thinks' and 'Does' things differently
- Primary benefits of collective making:
 - Generation of ideas
 - Synthesis of knowledge and perspectives

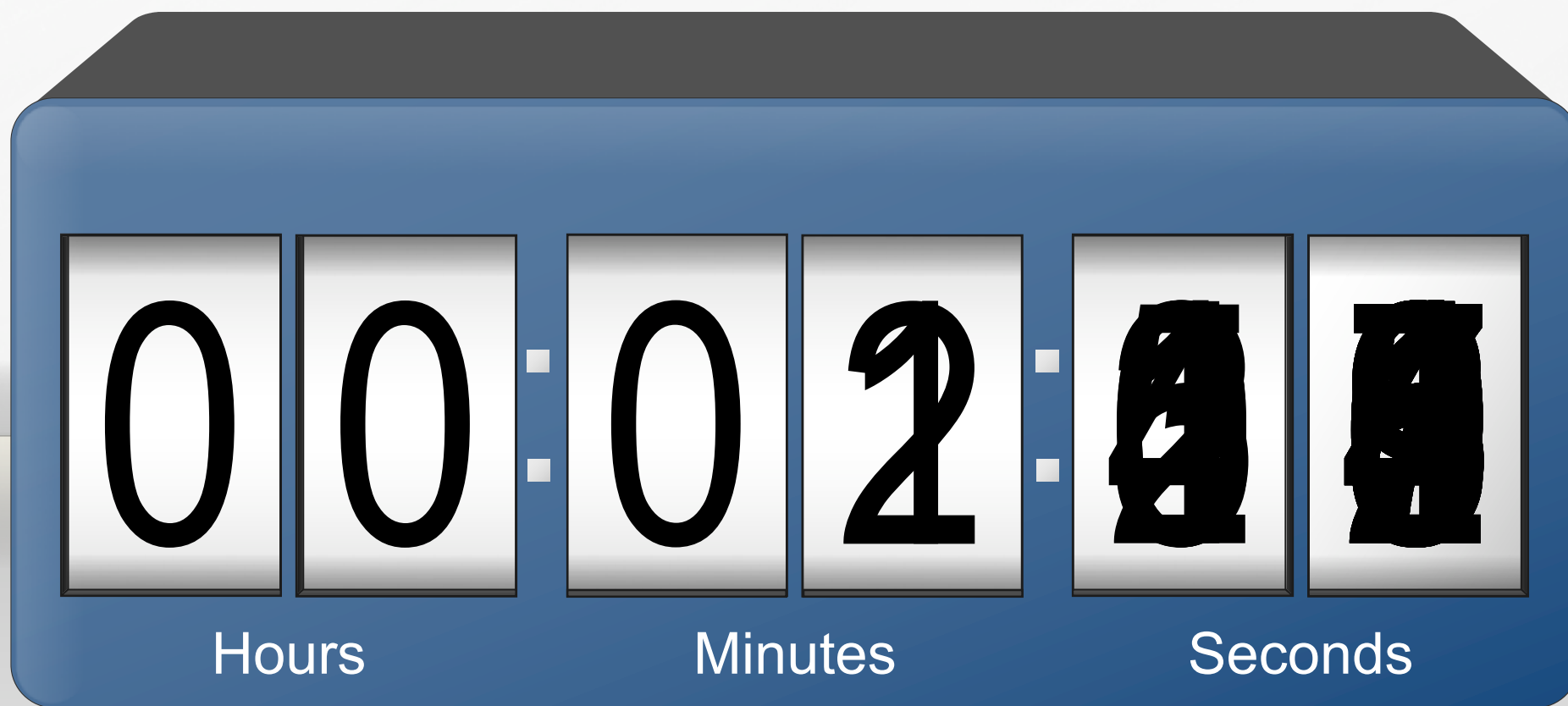


Generating Ideas

Series of activities that are intended to demonstrate some of the challenges that people face in generating genuinely new ideas



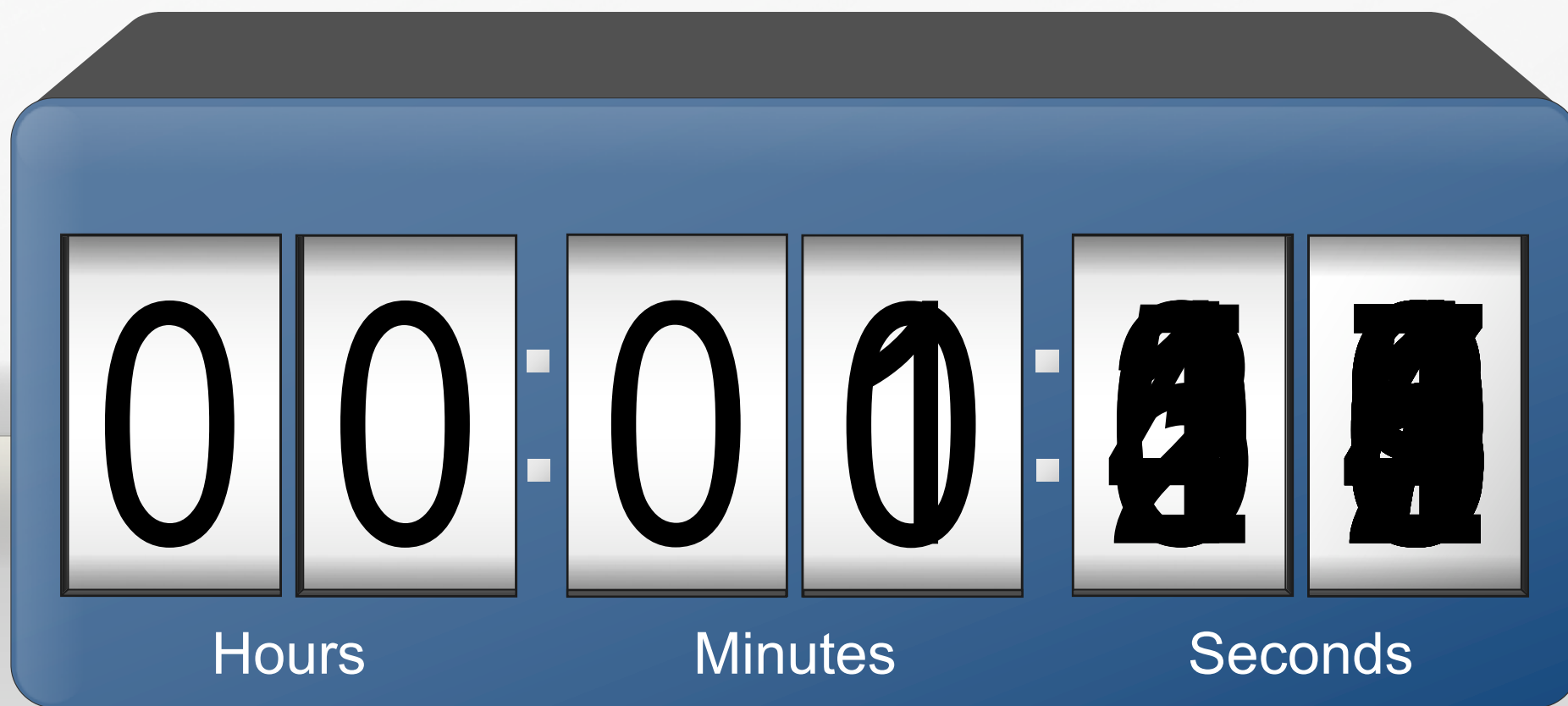
**Turn as many of the 30 circles on your sheet into
recognisable things in 2 minutes**



Hours

Minutes

Seconds

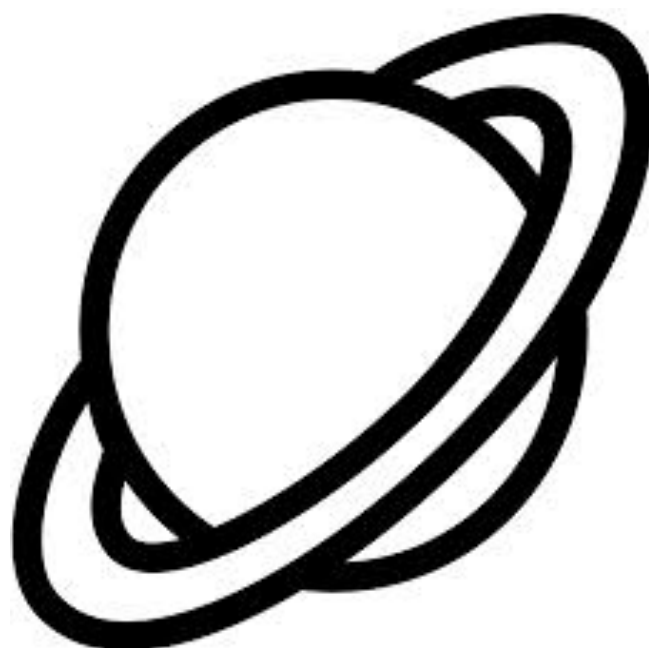


Hours

Minutes

Seconds





A photograph of three lemons on a white surface. One lemon is sliced in half, showing its internal segments and juice. Two whole lemons are positioned behind it. Three green leaves are scattered around the lemons. The text "How many uses can you think of ?" is overlaid in the center.

How many uses can you think of ?



Child
Elderly person
Animal
Astronaut
Bathroom
Kitchen
Car
Garden



1

What else could you use
this object for?

2

What would you add or
change about this
object to make it better?

3

What is the object for?
How else could you
achieve this?

Birthday cake
(and candles)





Synthesis of perspectives

- Participatory prototyping & collective making
 - Future bathroom
 - Head-Up

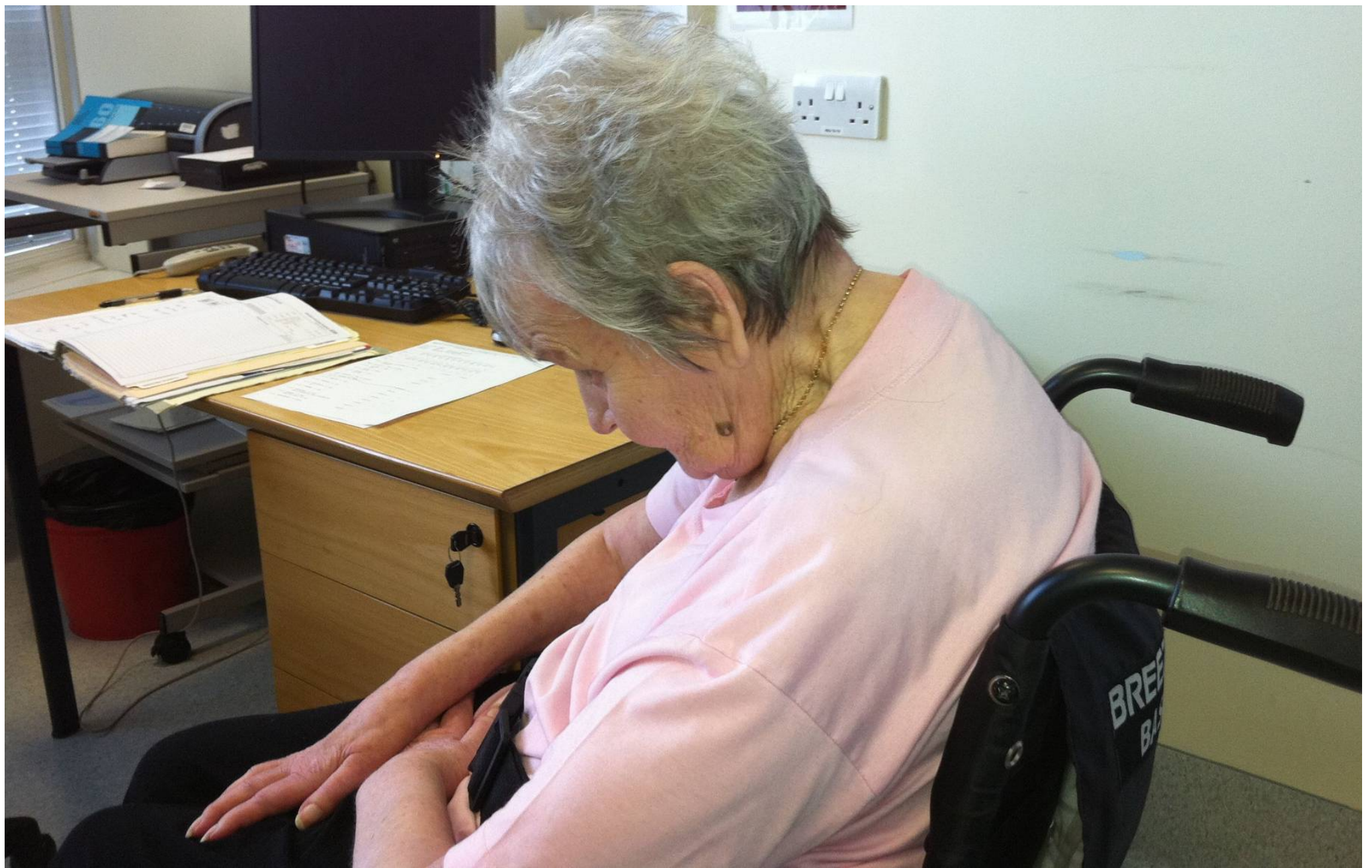








headup



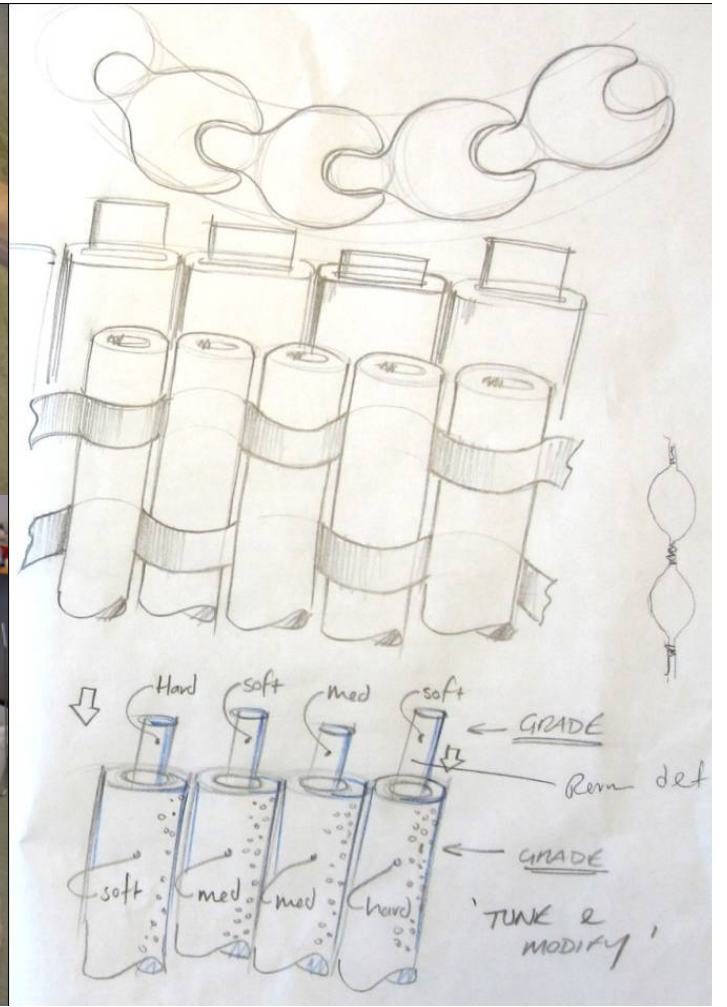
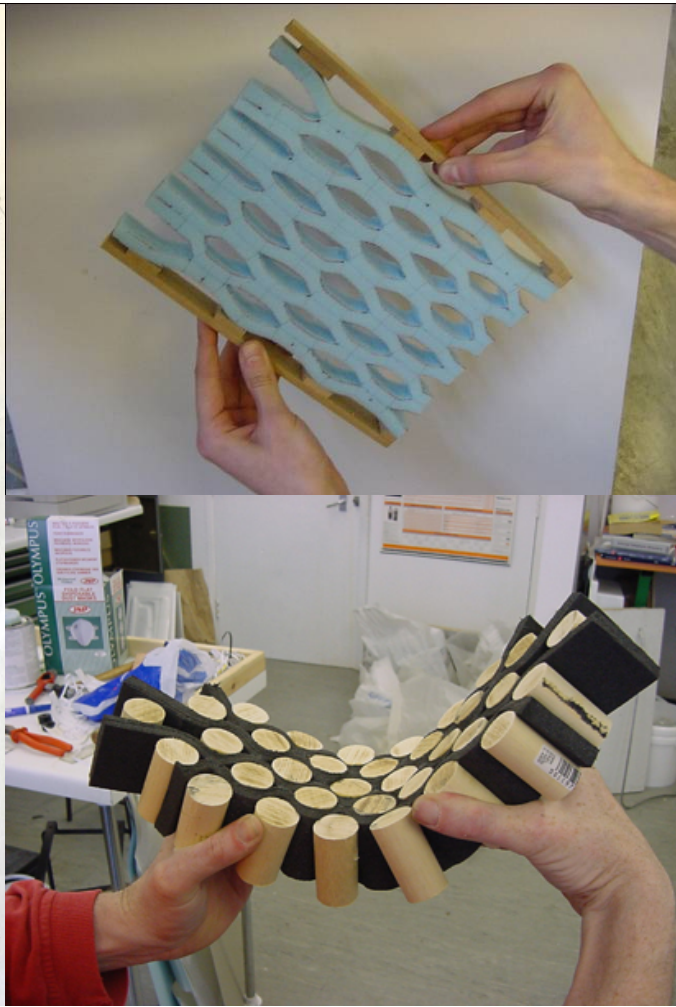
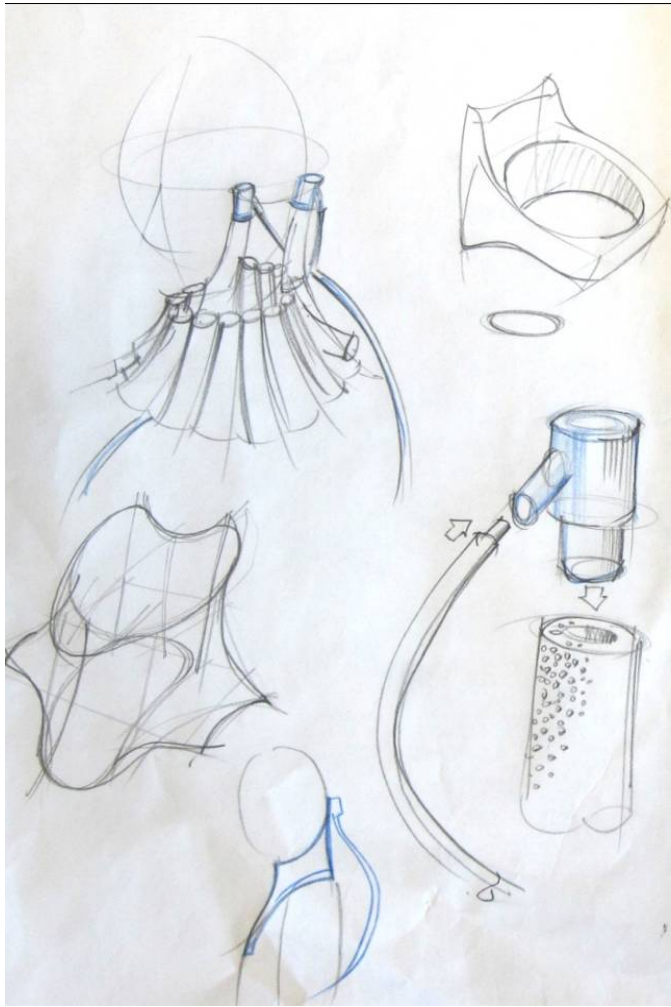
Nothing currently available offers support with movement. Collars currently prescribed were developed for trauma (immobilisation) or short term head support

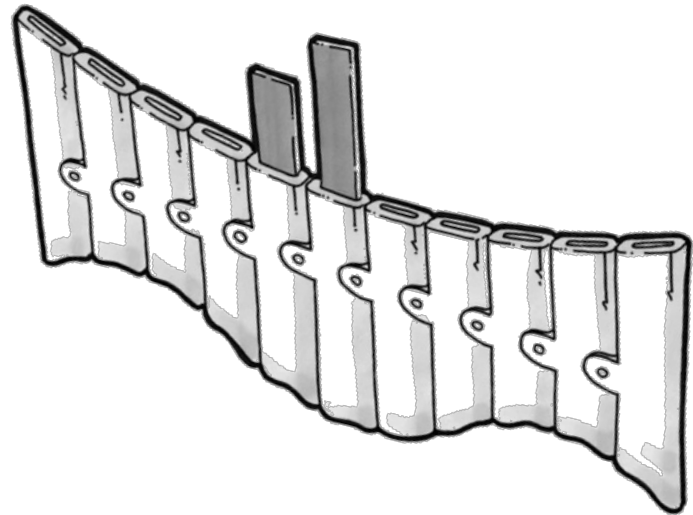
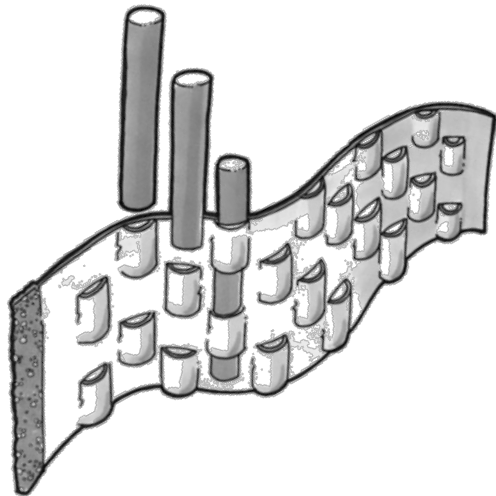
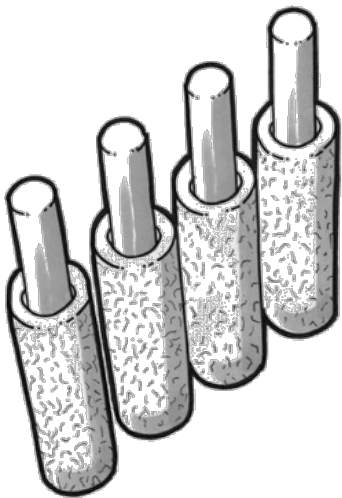
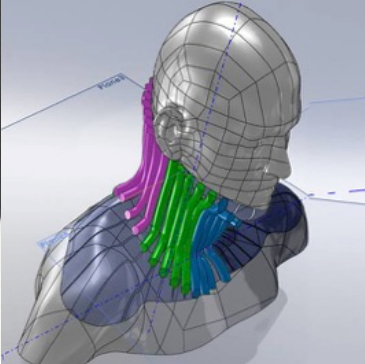
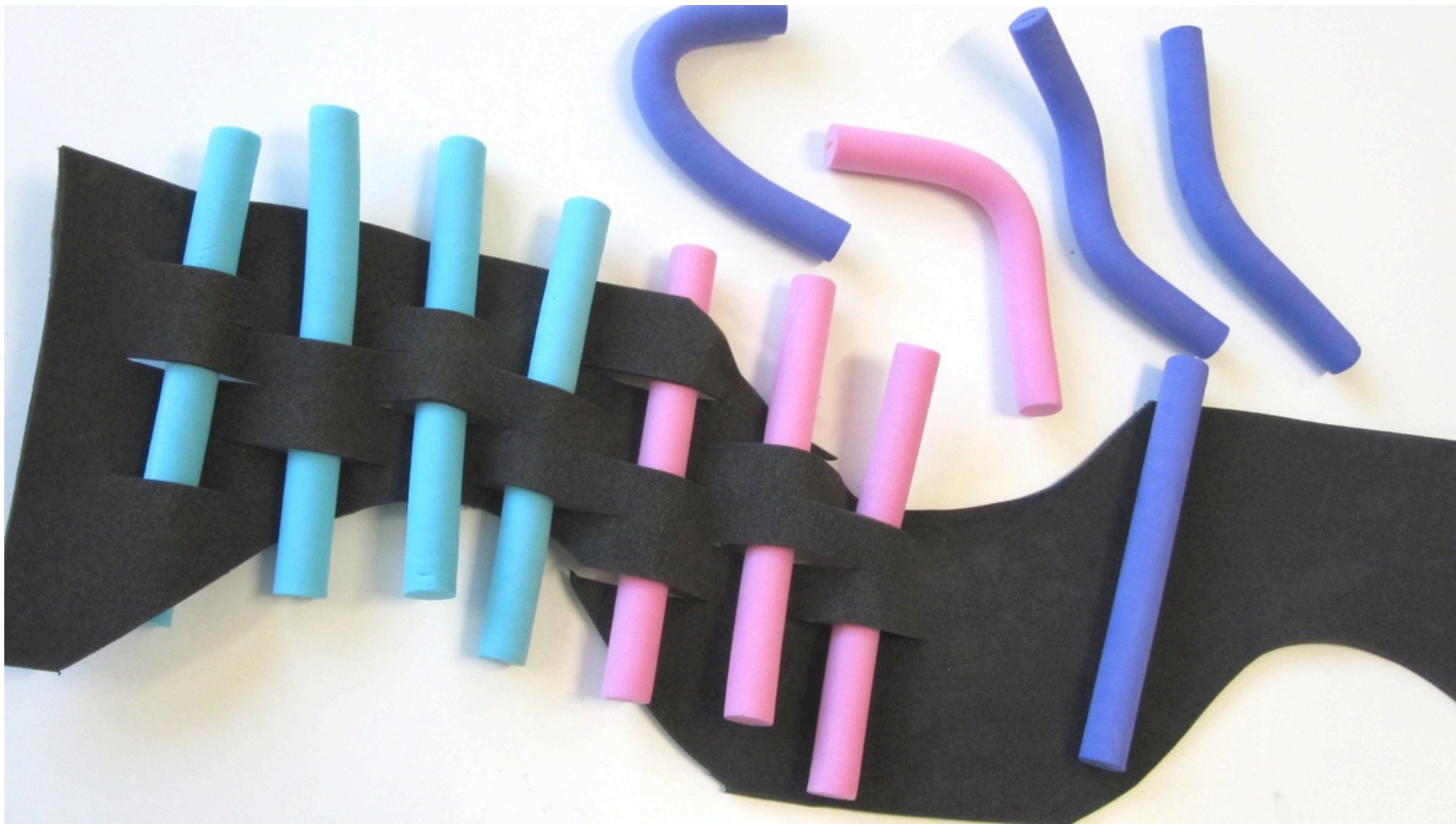


Free movement / limited support

Restricted movement / maximum support











2013/03/05





Synthesis of perspectives

- Participatory prototyping & collective making
 - Future bathroom
 - Head-Up
- Arguably, this physical prototyping becomes increasingly important the more abstract the concept – as in service design



Royal Hallamshire Hospital
Sheffield Teaching Hospital NHS Foundation Trust **NHS**

How to get to ECG/Cardiology

Part 2 - B Floor

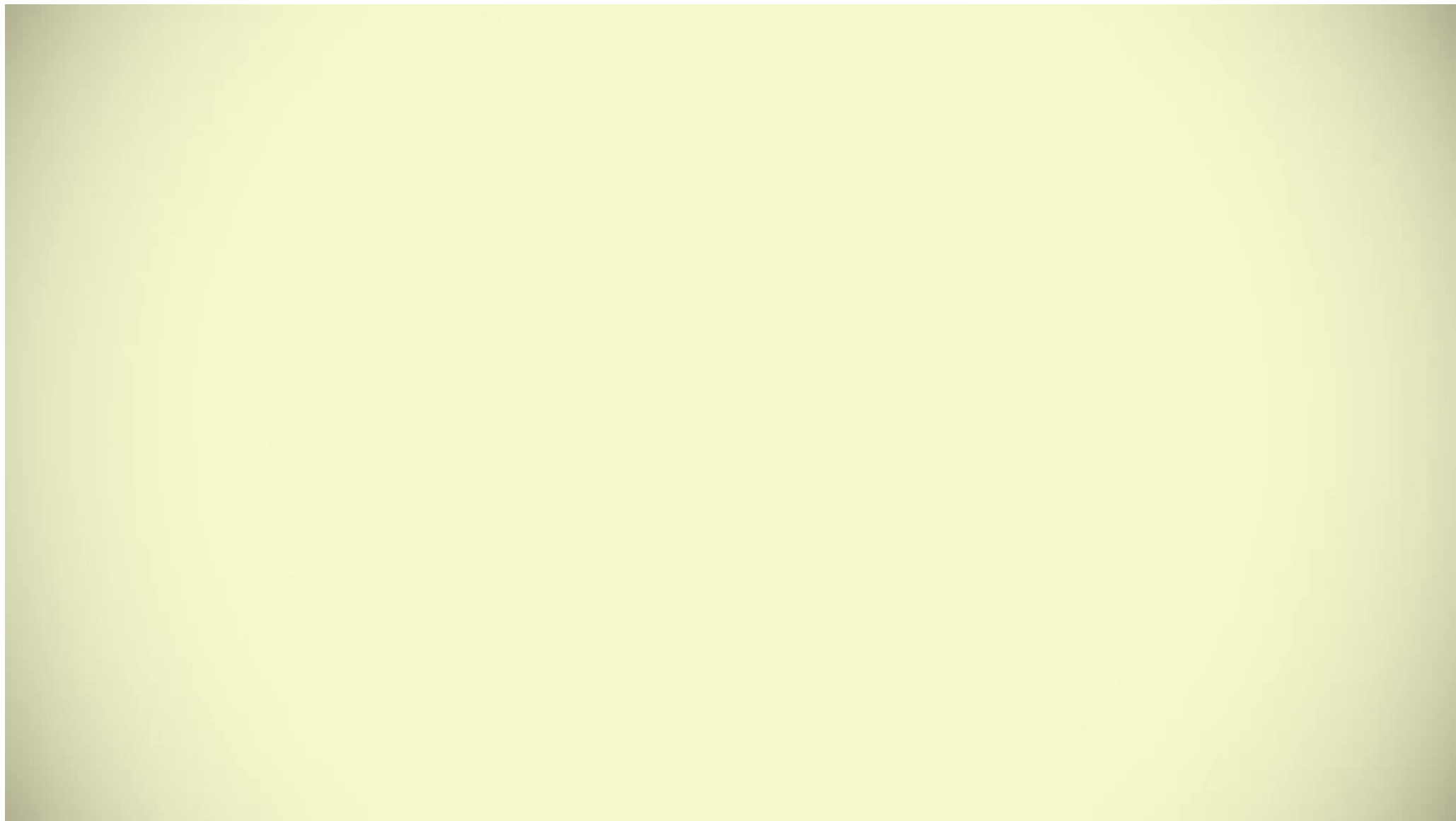
We are testing this map, please tell us how helpful it was:

Not at all ☐ ☐ ☐ ☐ ☐ Very

Any comments:

.....

Thank you.



A background photograph showing several people gathered around a white table, using colorful LEGO bricks to build prototypes. One person's hand is visible pointing at a green plant-like structure. In the foreground, there is a yellow hexagonal container and a grey electronic component with wires. The scene is indoors, likely a workshop or meeting room.

Summary

- 'Wicked' problems are often too complex and dynamic to have single absolute solution
- Requires multi-stakeholder approach to generating solutions
- Participatory design offers an approach to bring people together for technology and service design
- Collective making and participatory prototyping is at the core of this approach and creates benefit by:
 - reducing hierarchies
 - creating a common language
 - generation of ideas
 - real time synthesis of perspectives